

AMENDMENTS TO THE CLAIMS

1-18 (Canceled)

19. (Currently Amended) A remultiplexing apparatus having a prescribed output rate comprising:

a control information selecting section for selecting packets containing control information from media streams of different transmission types, said different transmission types being associated with different transmission rates, at least one of which is different than said output rate of said remultiplexing apparatus, the media streams having multiplexed control information packets and media information packets, wherein at least one of the media information packets has clock information that is generated by appending a media time base that is ~~utilizes~~utilized to regenerate a clock signal when decoding the media information;

a program control information editing section which edits the control information contained in the selected control information packets and generates modified control information packets;

a program organizing section which selects a plurality of media information packets corresponding to required programs;

~~a clock information reallocating section for reallocating the clock information of selected media information packets by synchronizing to a received transmission path clock signal;~~

a remultiplexing section which multiplexes the modified control information packets and selected media information packets from the media streams to produce a remultiplexed media stream;

wherein the remultiplexing apparatus inserts null packets to match the processing speed of said remultiplexing apparatus to said prescribed output rate; and

wherein the remultiplexing section preferentially multiplexes selected media information packets containing program clock information associated with a first system clock in a transmitting side to preserve program clock information contained in said media streams of different transmission types, the program clock information for regenerating a second system clock in the receiving side so that an error in the program clock information is suppressed.

20. (Previously Presented) The remultiplexing apparatus according to claim 19, wherein said program organizing section selects the required programs according to viewability restricting information defined as the program type information.

21- 22. (Canceled)

23. (Currently Amended) A remultiplexing method having a prescribed output rate comprising the steps of:

selecting packets containing control information from media streams of different transmission types, said different transmission types being associated with different transmission rates, at least one of which is different than said output rate of said remultiplexing method, the media streams having multiplexed control information packets and media information packets, wherein at least one of the media information packets has clock information that is generated by

appending a media time base that is utilized to regenerate a clock signal when decoding the media information;

editing the control information contained in the selected control information packets and generating modified control information packets;

selecting a plurality of media information packets corresponding to required programs;

~~reallocating the clock information of selected media information packets by synchronizing to a received transmission path clock signal;~~

multiplexing the modified control information packets and selected media information packets from the media streams to produce a remultiplexed media stream,

wherein the remultiplexing apparatus inserts null packets to match the processing speed of said remultiplexing apparatus to said prescribed output rate; and

wherein selected media information packets containing program clock information are preferentially multiplexed, the program clock information associated with a first system clock in a transmitting side to preserve program clock information contained in said media streams of different transmission types, the program clock information for regenerating a second system clock in the receiving side so that an error in the program clock information is suppressed.

24. (Previously Presented) The remultiplexing method according to claim 23, wherein the selected programs are selected according to viewability restricting information defined as the program type information.

25-27. (Canceled)